

1

ABSTRACT OF THE INVENTION

2

Apparatus and method is provided for capturing centrifugally-liberated  
3 liquid from a gas stream including separator components installed in a cyclonic  
4 vessel. A plurality of concentric shells supported on a base form annular cavities  
5 arranged about a gas outlet for capturing separated liquids from a spinning gas  
6 stream. The shells can be suspended from an insert manufactured with or retrofit to  
7 a vessel. Helical vanes aid in maintaining the spinning gas stream. In low moisture  
8 conditions, liquid removal through annular cavities can be supplemented with an  
9 annular layer of packing adjacent the vessel wall.